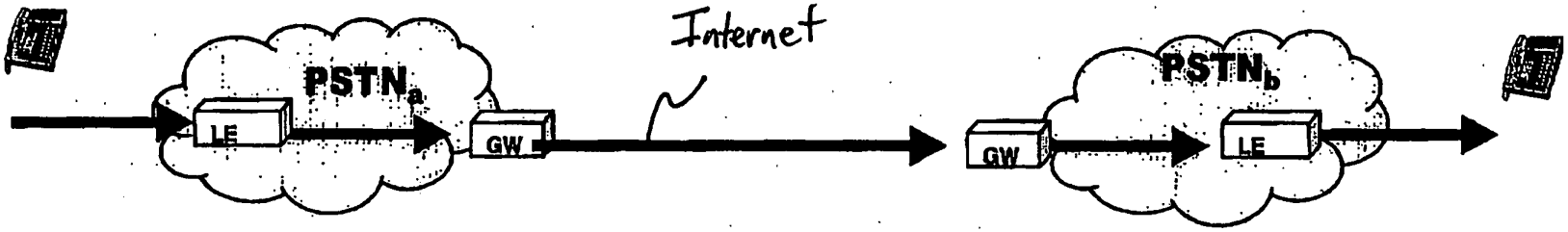

Figure 1

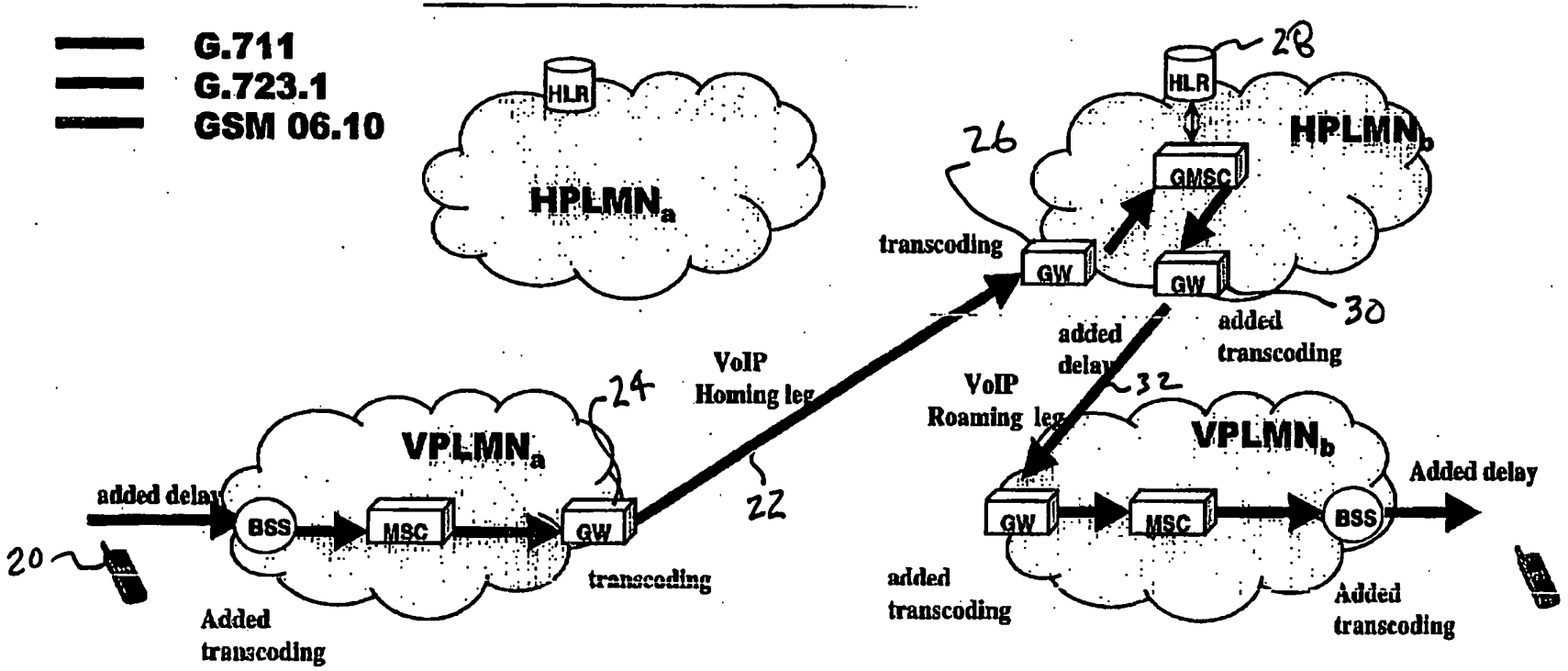

Figure 2

3525169 .031799

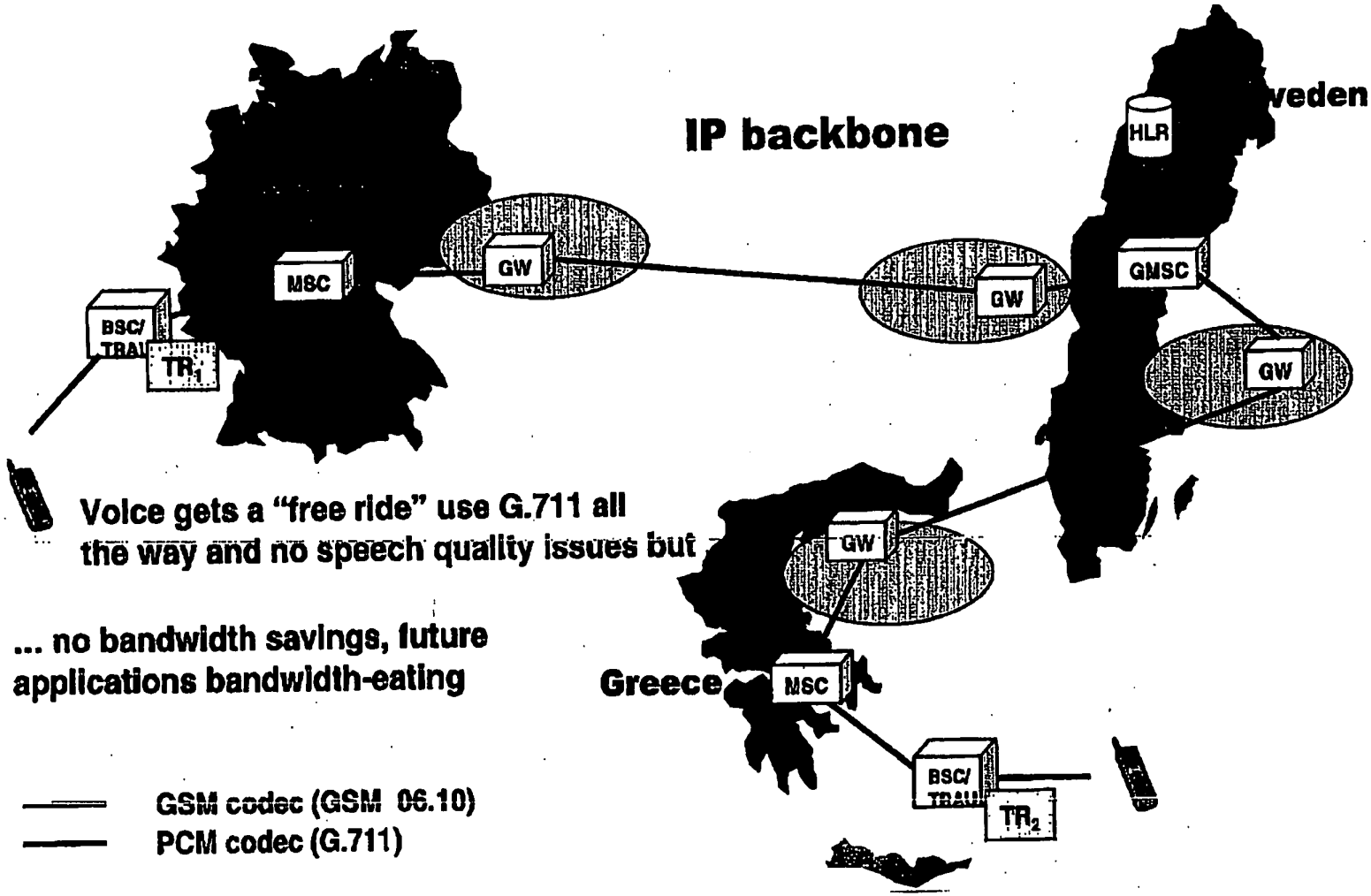

Figure 3

0950169.021700

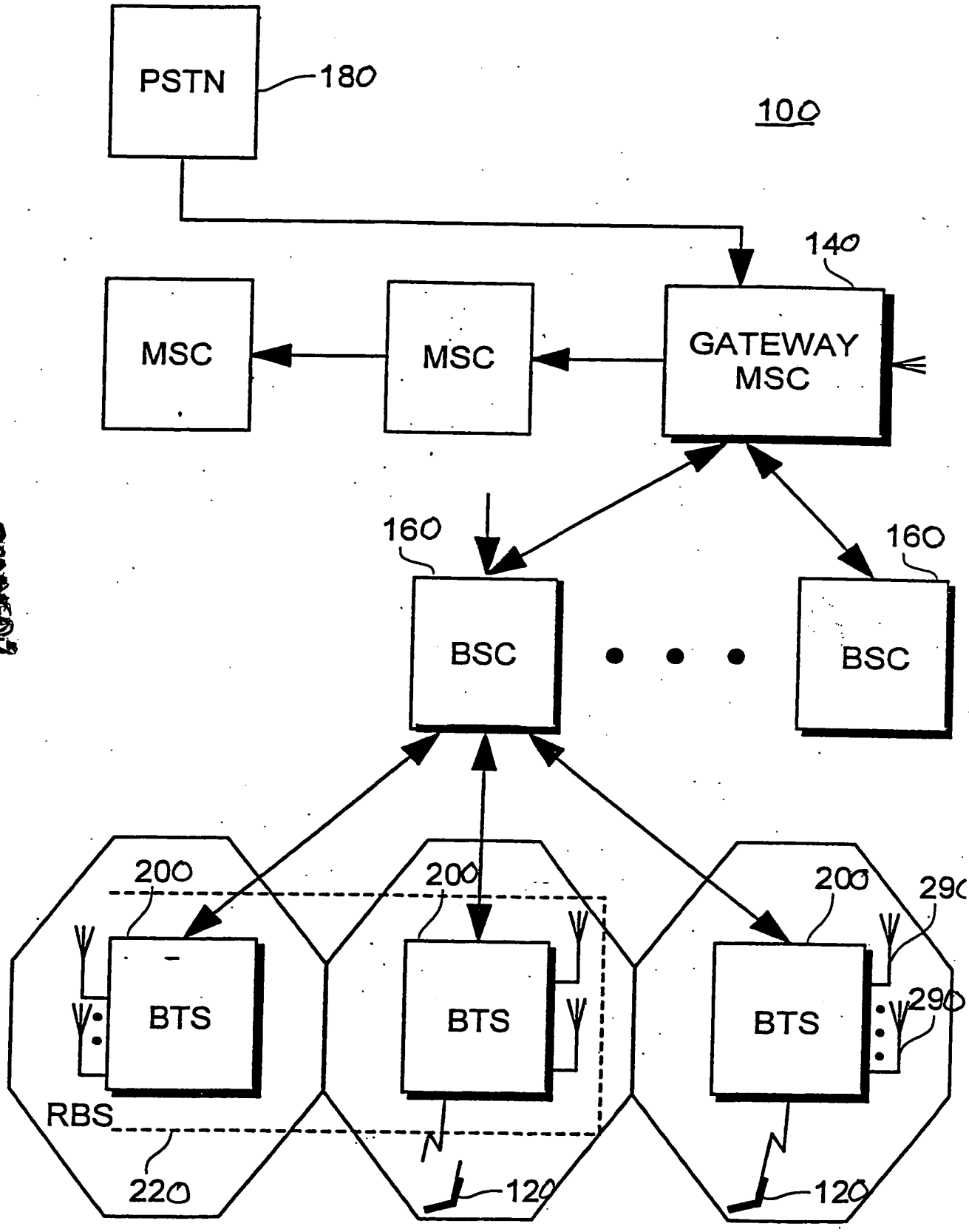
PSTN
180
100
140
MSC
MSC
GATEWAY MSC
160
160
BSC
BSC
200
200
200
290
290
BTS
BTS
BTS
RBS
220
120
120

Figure 4

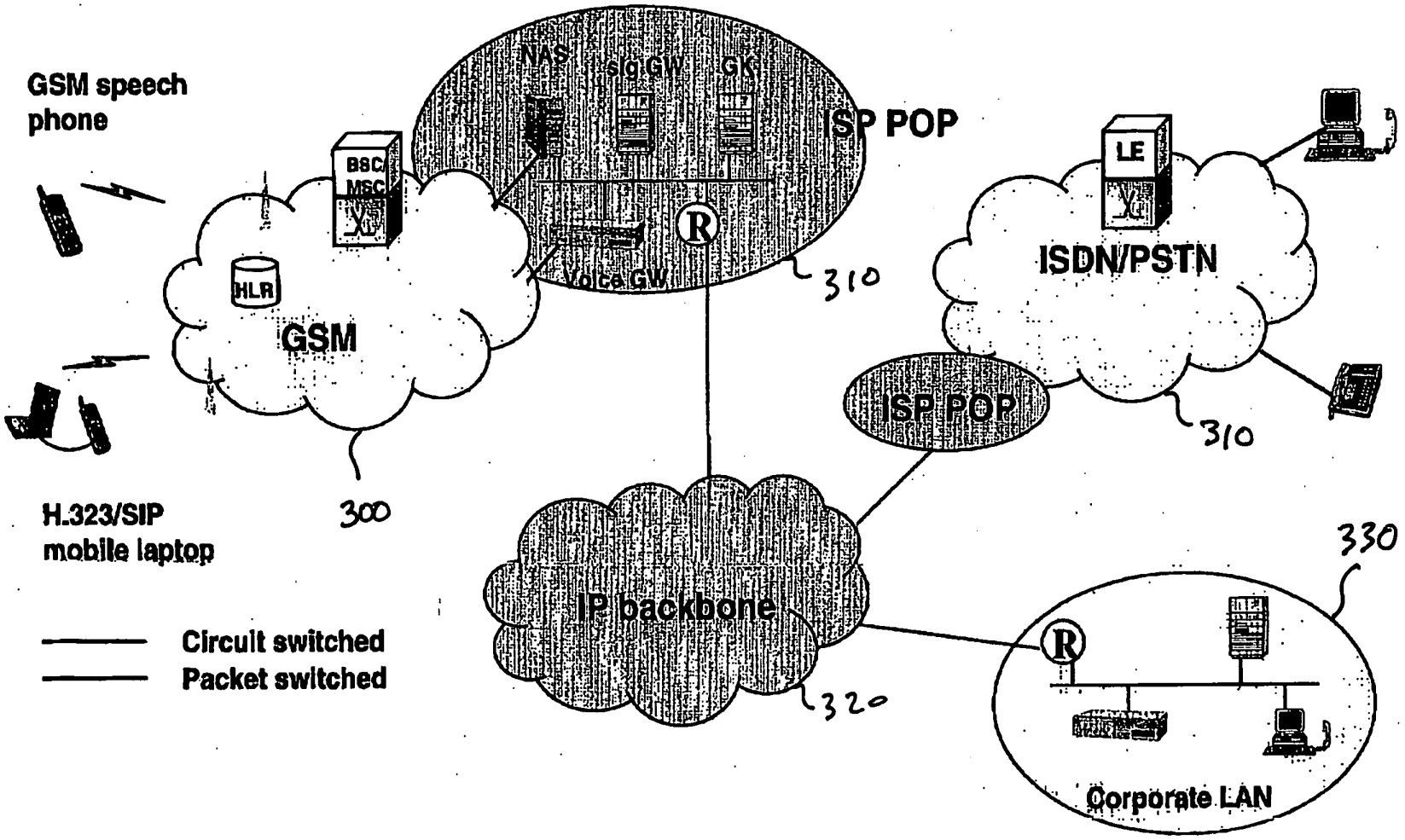

Figure 5

0250520.02720

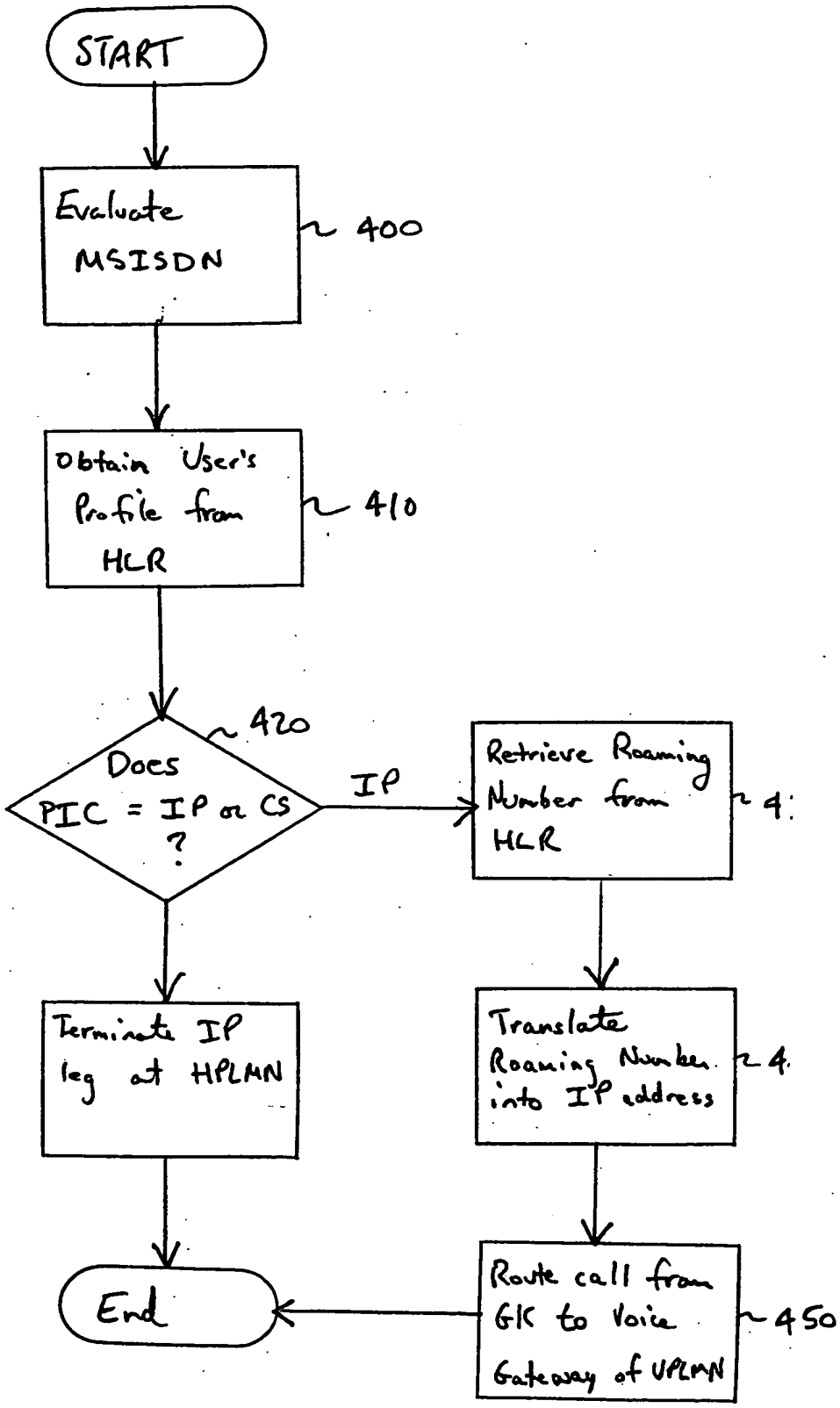

Figure 6

SCANNED

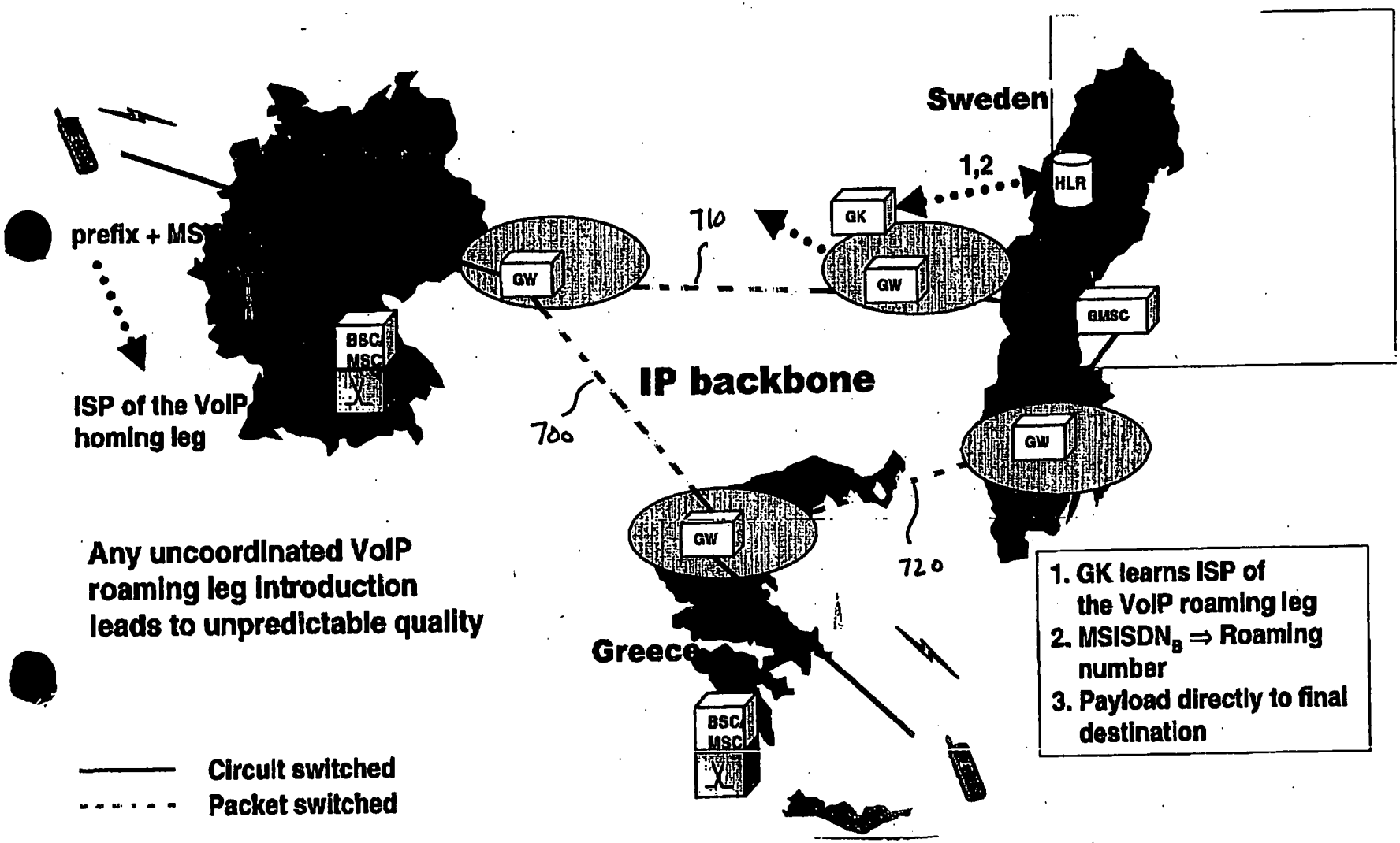
Sweden
1,2
HLR
710
GK
GW
GW
prefix + MS
BSC
MSC
GMSC
IP backbone
ISP of the VoIP
homing leg
700
GW
720
Any uncoordinated VoIP
roaming leg introduction
leads to unpredictable quality
Greece
1. GK learns ISP of
the VoIP roaming leg
2. MSISDN$_B$ ⇒ Roaming
number
3. Payload directly to final
destination
BSC
MSC
Circuit switched
Packet switched

Figure 7

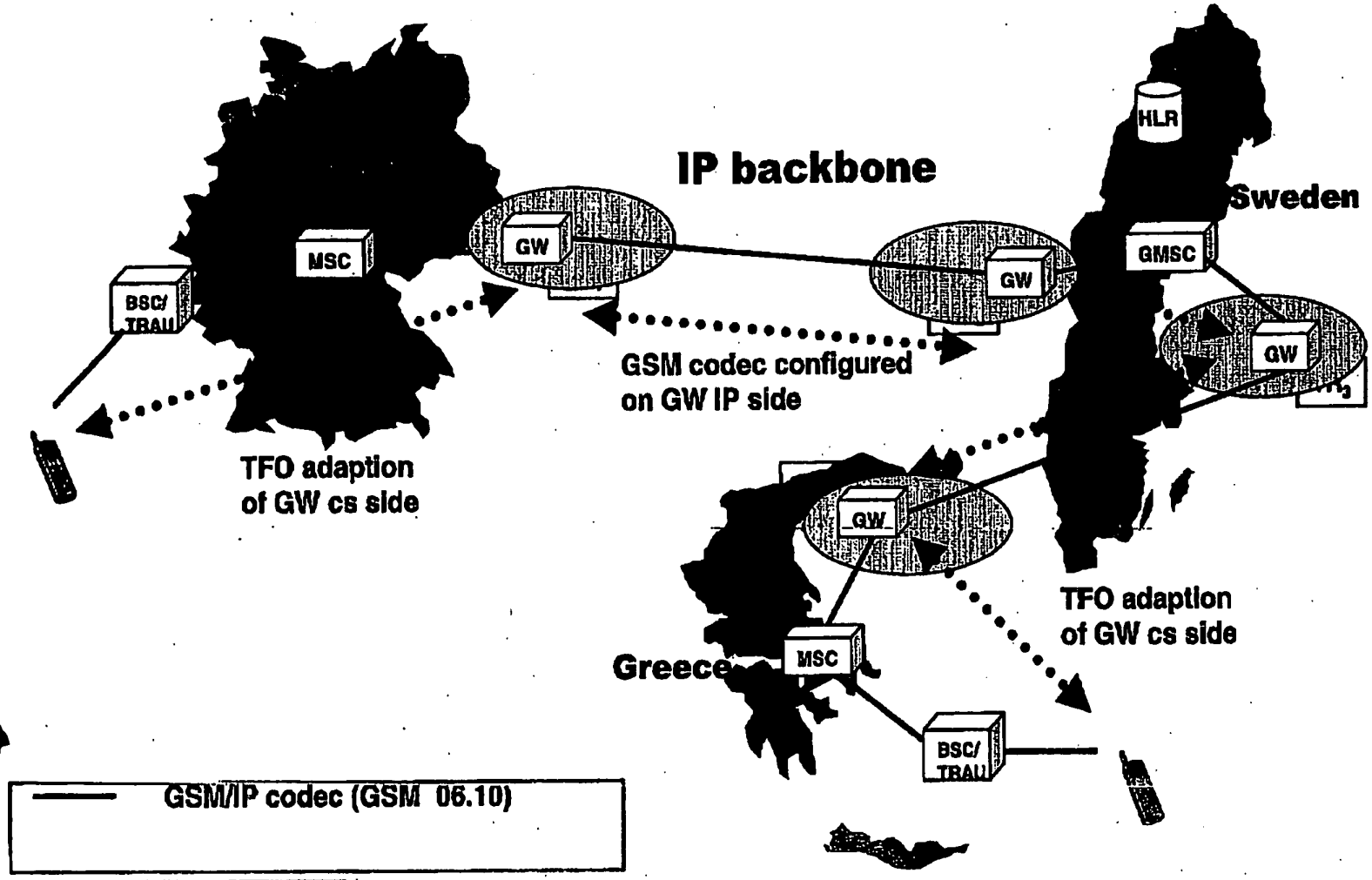
IP backbone
HLR
Sweden
GMSC
MSC
GW
GW
BSC/
TRAU
GW
GSM codec configured
on GW IP side
TFO adaption
of GW cs side
GW
TFO adaption
of GW cs side
Greece
MSC
BSC/
TRAU
GSM/IP codec (GSM 06.10)

Figure 8